

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P#

Luminaire Tested: **8SNLED-LD5-75SL-SLN-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27402)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNLED-LD5-75SL-SLN-UNV-L835-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
SQUARE NARROW LENS
Light Source: -
Ballast/Driver: -

Summary

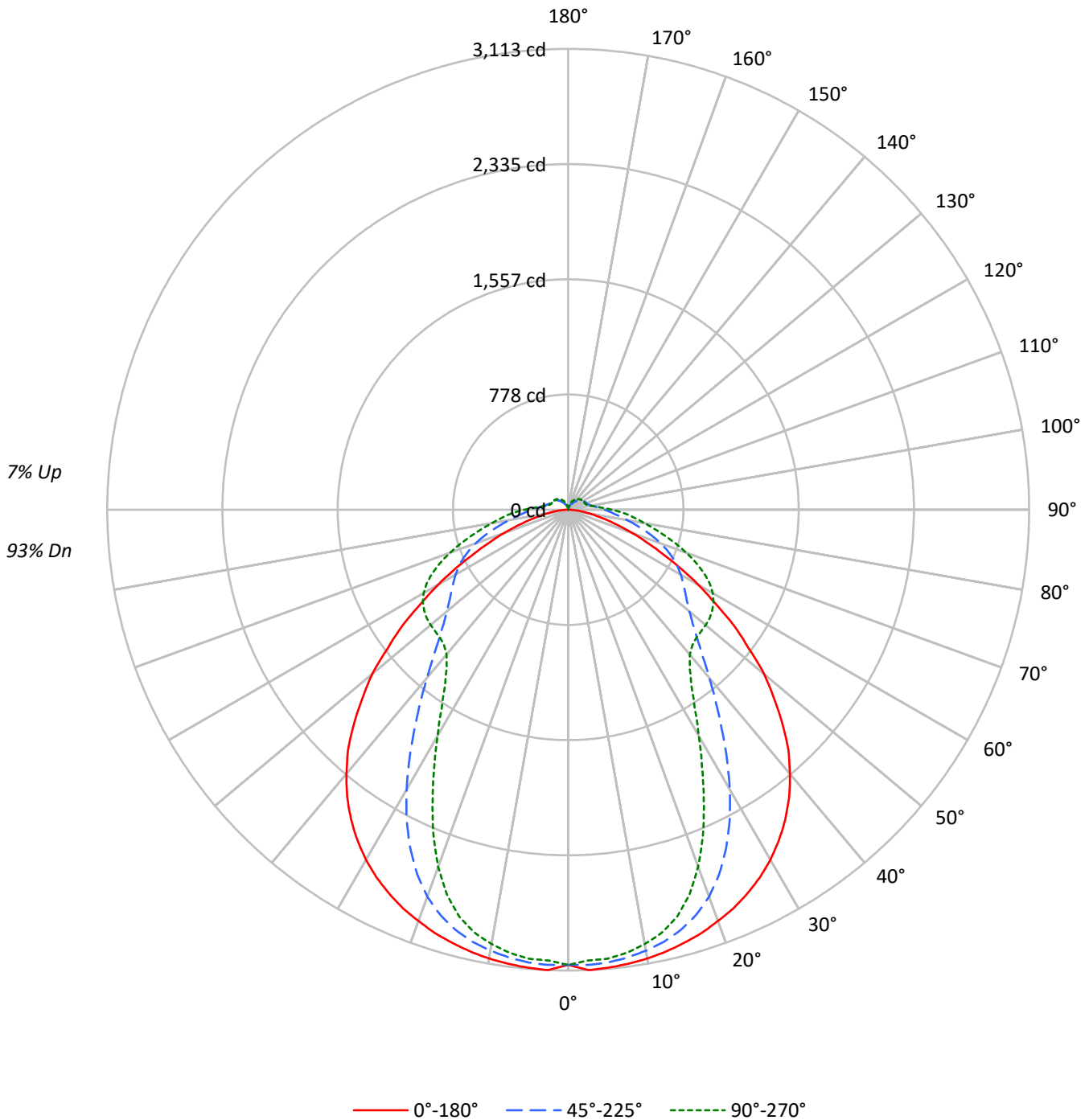
Lumens per Lamp: N/A
Luminaire Lumens: 7731.0 lumens
Efficiency: N/A
Efficacy: 140.6 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 0.96 / 1.11
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

Input Watts (W): 55
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	117	117	117	117	114	114	114	114	107	107	107	101	101	101	95	95	95	93
1	107	102	97	93	103	99	94	91	93	90	87	88	85	83	83	81	79	76
2	97	89	82	76	94	86	80	75	81	76	72	77	73	69	73	70	66	64
3	89	78	70	64	86	76	69	63	72	66	61	68	63	59	65	61	57	54
4	82	70	61	55	79	68	60	54	65	58	52	61	55	51	58	53	49	47
5	75	63	54	47	73	61	53	47	58	51	46	55	49	44	53	48	43	41
6	70	57	48	42	67	55	47	41	53	46	40	51	44	39	48	43	39	36
7	65	52	43	37	63	51	42	37	48	41	36	46	40	35	44	39	35	32
8	61	47	39	33	59	46	39	33	44	37	32	43	36	32	41	35	31	29
9	57	44	36	30	55	43	35	30	41	34	29	40	33	29	38	33	28	27
10	53	40	33	28	52	40	32	27	38	32	27	37	31	27	35	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	12421	12421	12421
5°	12581	12158	11957
10°	12595	11833	11465
15°	12616	11447	10811
20°	12641	10867	9709
25°	12666	9966	8222
30°	12627	8778	6762
35°	12470	7476	5667
40°	12131	6338	5123
45°	11516	5514	5084
50°	10668	5047	5263
55°	9427	4858	5447
60°	7989	4797	5522
65°	6463	4699	5350
70°	5237	4467	4934
75°	4001	4055	4378
80°	3027	3656	3895
85°	2156	3469	3582



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	290.8	3.8
10°-20°	822.1	10.6
20°-30°	1149.2	14.9
30°-40°	1192.0	15.4
40°-50°	1101.2	14.2
50°-60°	983.2	12.7
60°-70°	796.8	10.3
70°-80°	529.9	6.9
80°-90°	303.5	3.9
90°-100°	167.9	2.2
100°-110°	113.7	1.5
110°-120°	94.7	1.2
120°-130°	77.0	1.0
130°-140°	55.5	0.7
140°-150°	33.5	0.4
150°-160°	16.1	0.2
160°-170°	4.2	0.1
170°-180°	0.0	0.0
0°-30°	2262.1	29.3
0°-40°	3454.0	44.7
0°-60°	5538.4	71.6
0°-90°	7168.6	92.7
90°-120°	376.2	4.9
90°-150°	542.2	7.0
90°-180°	562.0	7.3
0°-180°	7731.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3074	3074	3074	3074	3074	
5°	3106	3054	3070	3049	3045	295
15°	3029	2965	2939	2872	2844	856
25°	2862	2735	2524	2259	2167	1319
35°	2556	2275	1809	1519	1451	1595
45°	2047	1622	1232	1188	1224	1574
55°	1368	1034	962	1118	1188	1216
65°	699	625	783	959	1010	706
75°	271	339	528	647	673	297
85°	55	158	311	398	409	63
90°	3	111	246	297	294	4
95°	3	94	195	208	202	2
105°	1	82	140	136	130	1
115°	1	74	124	123	119	1
125°	1	63	110	115	112	1
135°	3	47	87	102	102	2
145°	3	29	60	79	84	2
155°	3	19	37	49	60	1
165°	3	11	19	24	32	1
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3074.2	3074.2	3074.2	3074.2	3074.2
2.5°	3112.9	3062.1	3078.2	3064.8	3047.4
5°	3106.2	3054.1	3070.1	3048.8	3044.8
7.5°	3094.2	3042.1	3051.4	3026.1	3019.4
10°	3078.2	3023.4	3024.7	2988.7	2979.3
12.5°	3056.8	2996.7	2988.7	2939.2	2925.9
15°	3028.7	2964.6	2939.2	2872.4	2844.4
17.5°	2998.0	2923.2	2871.1	2768.2	2724.1
20°	2956.6	2872.4	2781.6	2625.3	2566.5
22.5°	2915.2	2811.0	2665.3	2456.9	2378.1
25°	2861.7	2734.8	2523.7	2259.2	2167.0
27.5°	2801.6	2645.3	2360.7	2056.1	1957.3
30°	2730.8	2537.1	2181.7	1857.1	1763.5
32.5°	2648.0	2415.5	1993.3	1678.0	1591.2
35°	2555.8	2275.2	1809.0	1519.0	1450.9
37.5°	2450.2	2121.6	1637.9	1390.8	1346.7
40°	2330.0	1954.6	1480.3	1291.9	1277.2
42.5°	2200.4	1791.6	1345.4	1227.8	1241.2
45°	2046.8	1621.9	1231.8	1187.7	1223.8
47.5°	1885.1	1456.2	1139.6	1165.0	1217.1
50°	1728.8	1302.6	1067.5	1150.3	1211.8
52.5°	1535.1	1165.0	1010.0	1136.9	1203.7
55°	1368.1	1034.1	961.9	1118.2	1187.7
57.5°	1175.7	916.5	919.2	1094.2	1163.7
60°	1015.4	809.6	877.8	1060.8	1127.6
62.5°	852.4	713.4	832.3	1016.7	1076.8
65°	698.7	625.3	782.9	959.3	1010.0
67.5°	570.5	545.1	726.8	889.8	932.5
70°	462.3	471.6	665.3	812.3	848.4
72.5°	355.4	403.5	598.5	729.5	760.2
75°	271.2	339.3	527.7	646.6	673.3
77.5°	200.4	283.2	463.6	571.8	594.5
80°	141.6	233.8	403.5	506.3	523.7
82.5°	94.9	192.4	354.0	447.6	463.6
85°	54.8	157.6	311.3	398.1	408.8
87.5°	22.7	130.9	276.6	347.4	352.7
90°	2.7	110.9	245.8	296.6	293.9
92.5°	2.7	100.2	219.1	248.5	241.8
95°	2.7	93.5	195.1	208.4	201.7
97.5°	2.7	89.5	173.7	179.0	172.3
100°	1.3	86.8	159.0	159.0	152.3
102.5°	1.3	84.2	148.3	144.3	138.9
105°	1.3	81.5	140.3	136.3	129.6
107.5°	1.3	80.2	134.9	130.9	124.2
110°	1.3	77.5	130.9	126.9	121.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.3	76.2	128.3	125.6	118.9
115°	1.3	73.5	124.2	122.9	118.9
117.5°	1.3	70.8	121.6	121.6	117.6
120°	1.3	68.1	117.6	120.2	116.2
122.5°	1.3	65.5	113.6	117.6	113.6
125°	1.3	62.8	109.6	114.9	112.2
127.5°	2.7	58.8	104.2	112.2	109.6
130°	1.3	54.8	98.9	109.6	108.2
132.5°	2.7	50.8	93.5	105.5	105.5
135°	2.7	46.8	86.8	101.5	101.5
137.5°	2.7	41.4	80.2	96.2	97.5
140°	2.7	37.4	73.5	90.8	93.5
142.5°	2.7	33.4	66.8	85.5	89.5
145°	2.7	29.4	60.1	78.8	84.2
147.5°	2.7	26.7	53.4	70.8	78.8
150°	2.7	22.7	48.1	64.1	72.1
152.5°	2.7	20.0	42.8	57.4	66.8
155°	2.7	18.7	37.4	49.4	60.1
157.5°	2.7	16.0	32.1	42.8	53.4
160°	2.7	13.4	26.7	37.4	45.4
162.5°	2.7	12.0	22.7	30.7	40.1
165°	2.7	10.7	18.7	24.0	32.1
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)